



Manual

Mixer MXA 4600

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1. Safety instructions



- Read the safety instructions and also this manual carefully.
- Keep the manual.
- Observe all red flags.
- Observe the manual.
- To prevent fire or electric shocks, protect the device against rain and humidity
- Pull the plug before opening the housing.
- To prevent an electric shock you should not remove the cover.
- Do not operate the device in the near of water.
- Use only a dry cloth for cleaning.

1.1. FOR SAFE AND EFFICIENT OPERATION

Be careful with heat and extreme temperature

Avoid exposing it to direct rays of the sun or near a heating appliance.

Not put it in a temperature bellow 32°F /0°C, or exceeding 104°F /40°C.

To avoid placing on un-stable location

Select a level and stable location to avoid vibration.

Do not use chemicals or volatile liquids for cleaning

Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt. Pull the plug before cleaning.

If out of work, contact sales agency immediately

Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

Take care with the power cable

Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug. When not using the device for an extended period of time, be sure to disconnect the plug from the receptacle.

Ventilation

It is not allowed cover fans and air in and outlets.

Safety

Do not remove the grounding. It is for your safety. If you remove the grounding it can cause electric shocks.

Hearing

To avoid hearing damages, you should not operate a sound system with high levels. This applies to monitor systems, which are in the near of the ear, headphones or IEMs also.

Accessory

Please use only the accessory which is set by the manufacturer.

Important

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems. Make sure the electrical connection is carried out by qualified personnel. All electrical and mechanical connections have to be carried out according to the European safety standards.

2. Introduction

Thank you very much for buying this device. This device was developed for professional applications. Please read and keep this manual carefully.

2.1.1. Product features

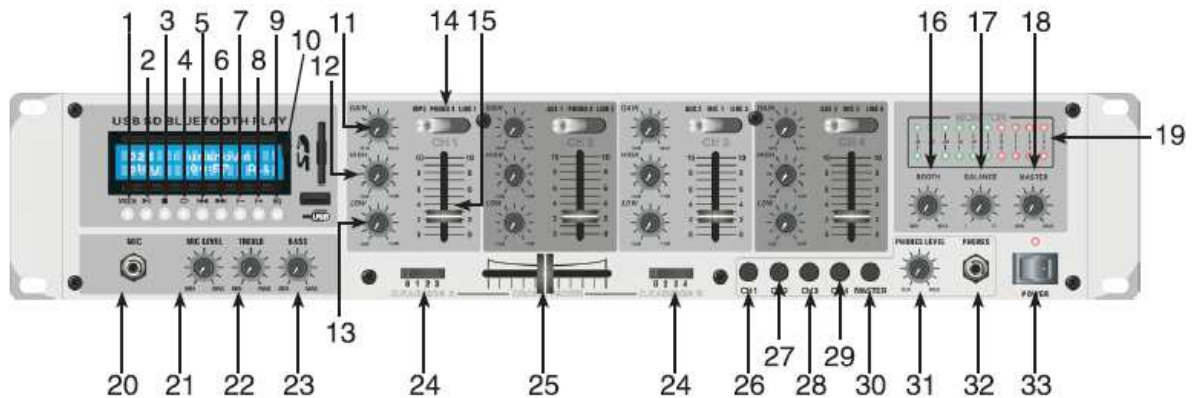
- 4 Channel mixer
- 2HU mixer for rack fitting
- Inputs: 2xPhono/3xAUX, 4xLine and 3xMic
- SD Card Slot (max. 32GB could be readout)
- SD source could be assigned to every channel
- Every channel has its own gain
- Output for headphones
- Balanced XLR outputs
- Balance regulation for master outputs
- Volume, highs and lows regulation for microphone outputs
- Selectable folders
- LED meters
- Repeat of all songs, only one song and random playback possible
- Playback of USB, SD and Bluetooth sources possible
- Good SNR (Signal to Noise Ratio)

2.1.2. Technical Data

Audio Inputs	
Mic	1,5mV/10k Ω
Mic 1,2	1,5mV/10k Ω
Phono 1, 2	2mV/50k Ω
AUX 1, 2, 3	200mV/10k Ω
Line 1, 2, 3, 4	200mV/10k Ω
Audio Outputs	
Master	1V
Booth	1V
Tape	400mV
XLR balanced	1V Type, 125m Ω @ 1% THD
Equalizer (+/- 8dB)	
Stereo Treble	+/- 15dB @10kHz
Stereo Bass	+/- 15dB @50Hz
Mic Treble	+/- 12dB @7kHz
Mic Bass	+/- 12dB @100Hz

3. Controls/Connections

3.1. Front View



1. Mode Key

With this button you can choose the required source (USB, SD or Bluetooth).

2. PLAY/Pause Key

With this button you can start or pause the playback.

3. Stop Key

With this button you can stop the playback.

4. Loop Key

With this button you can repeat a single song, if you press the button again the repeat function is stopped.

5. Previous Key

Press this button to get to the previous song. If you depress the button you can wind back.

6. Next Key

Press this button to get to the next song. If you depress the button you can wind forward.

7. Previous Folder Key

Press this button to get to the previous folder.

8. Next Folder Key

Press this button to get to the next folder.

9. EQ Key

With this button, another sound can be generated.

10. SD Player & LCD

USB/SD Card Slot, and LCD display. Below the display are the buttons which were described before.

11. Channel Gain

With this control you can adjust the preamping of the input level. The control is pre-fader and pre-EQ.

12. Channel High

With this control you can edit the high frequencies of the current channel.

13. Channel Bass

With this control you can edit the low frequencies of the current channel.

14. Input Selector

With this switch you can choose the signal source.

15. Channel Fader

With this fader you can control the output level of the current channel.

16. Booth Fader

This fader adjusts the output level. .

17. Balance

With this control you can adjust the balance between right and left between the RCA and XLR master outputs.

18. Master Fader

With this fader you can adjust the level of the master output.

19. LED VU meters

The meters show the output level. Which output level is shown is depending on the position of master/PFL button.

20. MIC Input

At this combined input you can connect a microphone.

21. MIC Volume Control

With this control you can adjust the output level of the microphone.

22. MIC Treble

With this control you can adjust the amount of high frequencies.

23. Mic Bass

With this control you can adjust the amount of low frequencies.

24. Crossfader Assign

With this switch you can assign the channels 1, 2, 3 to channels 2, 3, 4 to the crossfader.

25. Crossfader

With this control you can cross-fade between two channels. Which channels would be cross-fade depends on you settings (14.).

26. CH1 Monitoring

If this button is pressed you can read out the output level of the first channel on the meters (19.)

27. CH 2 Monitoring

If this button is pressed you can read out the output level of the second channel on the meters (19.)

28. CH 3 Monitoring

If this button is pressed you can read out the output level of the third channel on the meters (19.)

29. CH 4 Monitoring

If this button is pressed you can read out the output level of the fourth channel on the meters (19.)

30. Master Monitoring

If this button is pressed you can read out the output level of the master on the meters (19.)

31. Headphones Volume Control

With this control you can adjust the output level of the headphones.

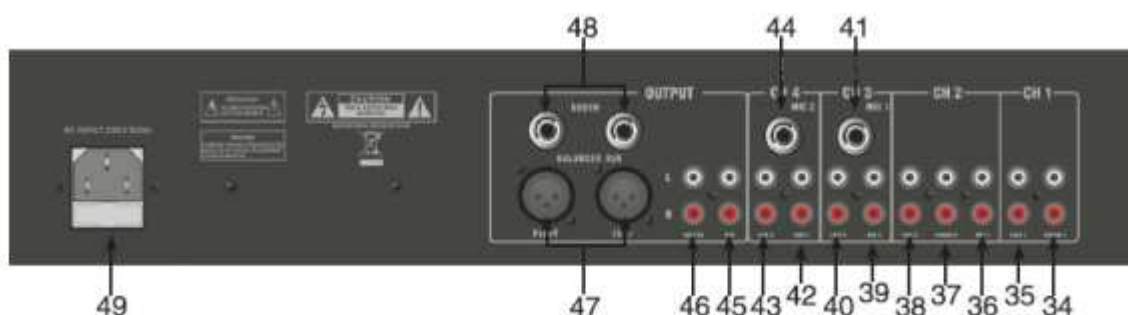
32. Headphones

At this input you can connect headphones with 6.35mm jack and use them as monitoring.

33. Power Switch

With this switch you can switch the mixer on and off. First turn the amplifier off. The mixer should be the device which is turned on at first and turned off at last.

3.2. Back view



34. Channel 1: Phono 1 Input

The input type has to be chosen at the **Input Selector (14.)**.

35. Channel 1: Line 1 Inputs (RCA)

Here you can connect CD-or DVD-Player, Tape Decks and other devices with line level. At the **Input Selector (14.)** has Line to be chosen.

36. Channel 2: AUX1 Inputs RCA

Here you can connect CD-or DVD-Player, Tape Decks and other devices with line level. At the **Input Selector (14.)** Line has to be chosen.

38. Channel 2: Phono 2 Input

At the **Input Selector (14.)** the input type has to be chosen.

39. Channel 2: Line 2 Inputs (RCA)

Here you can connect CD-or DVD-Player, Tape Decks and other devices with line level. At the **Input Selector (14.)** the input type has to be chosen.

40. Channel 3: AUX2 Inputs (RCA)

Here you can connect CD-or DVD-Player, Tape Decks and other devices with line level. At the **Input Selector (14.)** has Line to be chosen.

41. Channel 3: Line 3 Inputs (RCA)

Here you can connect CD-or DVD-Player, Tape Decks and other devices with line level.
At the **Input Selector (14.)** the input type has to be chosen.

42. Channel 3: MIC Inputs (RCA)

Here you can connect microphones. At the **Input Selector (14.)** has microphone to be chosen.

43. Channel 4: AUX 3 Inputs (RCA)

Here you can connect CD-or DVD-Player, Tape Decks and other devices with line level.
At the **Input Selector (14.)** the input type has to be chosen.

44. Channel 4: Line 4 Inputs (RCA)

Here you can connect CD-or DVD-Player, Tape Decks and other devices with line level.
At the **Input Selector (14.)** the input type has to be chosen.

45. Channel 3: MIC 2 Inputs

Here you can connect microphones. At the **Input Selector (14.)** has microphone to be chosen.

46. RCA REC Outputs

Use this outputs to record your music with the help of Tape deck, DAT recorder... Instead of the master and booth outputs the line level cannot be adjust at these outputs.

47. RCA Master Outputs

As outputs there are balanced XLR or chain outputs and also RCA outputs. You should use the RCA outputs for short distances, for signals to processors or another mixer.

48. Balanced XLR Master Outputs

These XLR outputs are sending a high-balanced signal. You should use these outputs to control the amplifier or other balanced audio equipment.

49. Booth Outputs

These are 6,35mm jack outputs for monitoring. You can control the output level with the booth-monitor-control independent of the master. (The outputs are TRS jacks, so you can connect balanced and unbalanced devices.

50. Power in

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